



THE WORLD IS CHANGING (and so is Iowa)

- **Population** →
 - 35 Iowa counties experienced growth
 - Mostly urban areas
 - More elderly, fewer births
 - Mostly urban areas
- **Economy**
 - ELL population increasing
 - Migration out 220%
- **Jobs**

THE WORLD IS CHANGING (and so is Iowa)

- **Population**

- **Economy**

- **Jobs**

- **Largest**

- Manufacturing, finance/insurance, real estate

- **Growth areas**

- Health care, retail, finance/insurance, real estate

- **Strong state strategy**

- Bioscience, applied manufacturing, information/technical services

THE WORLD IS CHANGING (and so is Iowa)

- **Population**

- **Economy**

- **Jobs**

- **National outlook**

- High growth rate in technical, service

- **State outlook**

- Low-skilled jobs are being eliminated; technical and professional occupations are fastest growing

NATIONAL JOB OUTLOOK

OCCUPATION	SALARY	% INCR. BY 2012	EDUCATION- TRAINING
Medical assistant	\$\$\$	59%	Certification
Network system analyst	\$\$\$\$\$	57%	Bachelor's
Physician assistant	\$\$\$\$\$	49%	Bachelor's
Medical records tech	\$\$\$	47%	Associate degree
Veterinary tech	\$\$\$	44%	Associate degree
Bookkeeper	\$\$\$	23%	Associate degree

Source: Bureau of Labor Statistics

Education Needed for Iowa Jobs

OCCUPATION	SALARY	EDUCATION- TRAINING
Sales representatives	\$\$\$	Certification
Teacher	\$\$\$	Bachelor's
Ag. equip. operator	\$\$	Certification
Farm or ranch manager	\$\$\$\$	Bachelor's
Production manager	\$\$\$\$	Associate degree
Bookkeeper	\$\$\$	Associate degree

Source: Bureau of Labor Statistics

Then and Now: Workplace Skills

	1950s	2005
4-year degree	20%	20%
Unskilled	70%	10%
Technical training	10%	70%

Source: Dell Confidential

Then and Now: Career Outlook

	20 th Century	21 st Century
# of Jobs	1-2	10-15
Job requirements	Mastery of 1 field	Flexibility, adaptability
Teaching model	Subject matter mastery	Life-long learners

Source: Dell Confidential

Jobs Need More, Better Skills

In the past

- Low-tech, low-skill
- Steady, predictable
- Two choices:
 - Ready for college
 - Ready for work

Today and in the future

- Multiple job changes
- 21st century skills
- Lifelong learners



Today's Graduates Need:

Ready
for work

Specific
vocational
knowledge
and skills


21st
Century
skills &
content

Ready for
college

Subject
matter
knowledge

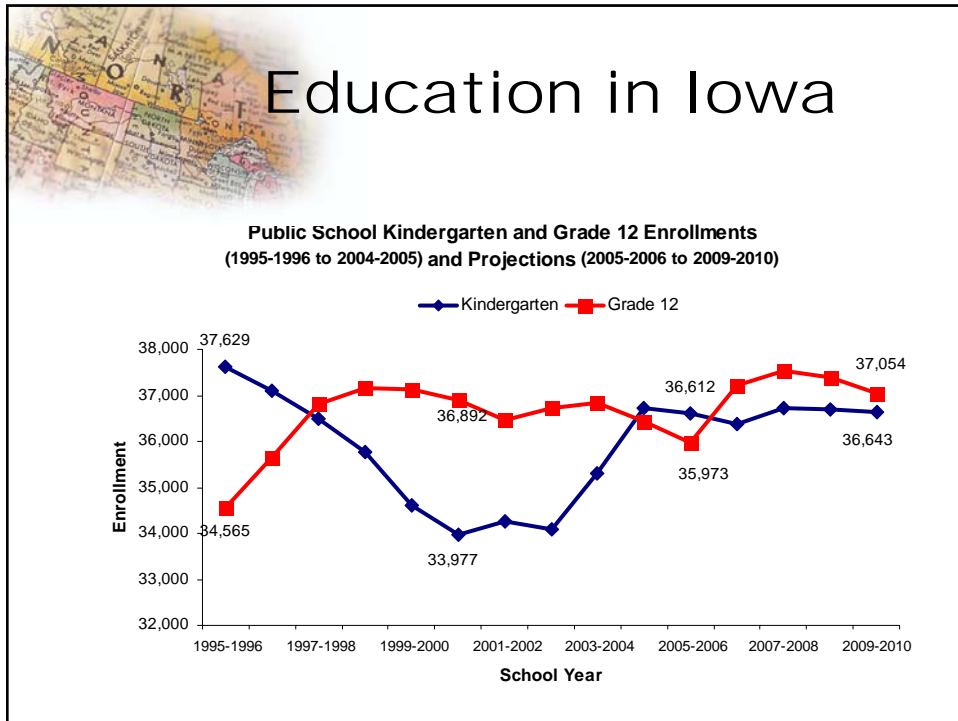
Communication
Media literacy
Creativity
Problem solving
Financial literacy
Civic literacy

Cultural, Physical & Behavioral Health Knowledge and Skills

Education in Iowa

	Enrollment	Districts	Small Districts <400	Sharing a High School
1985	485,332	437	32.4%	0.5%
1995	500,592	390	27.0%	9.2%
2005	483,335	367	23.7%	7.1%
2010	475,268	?	?	?



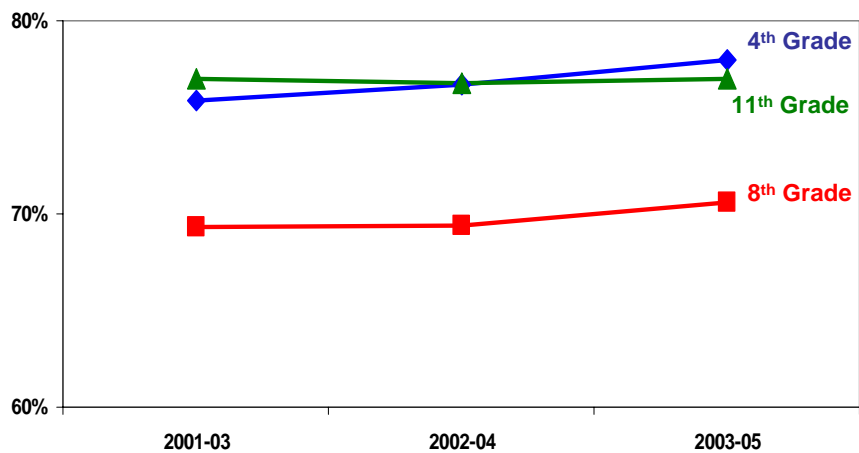
High Schools

367 districts

- **359** high schools
- **42.6%** have 200 students or less
- **10%** have more than 1,000 students

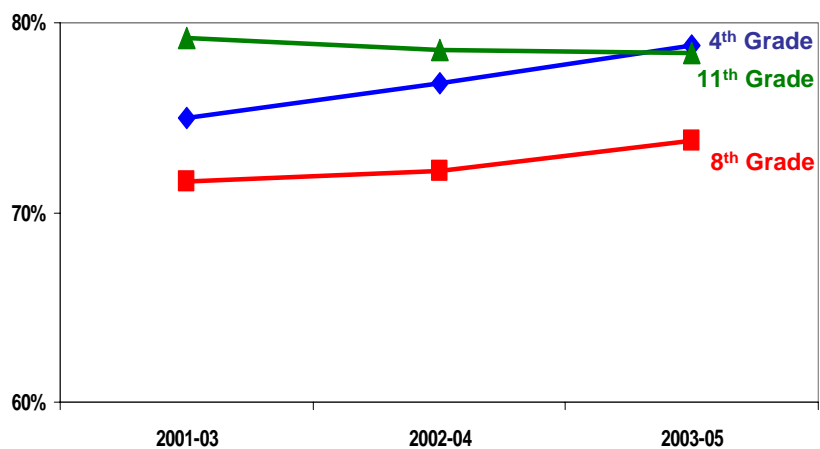
Better Skills for More Students

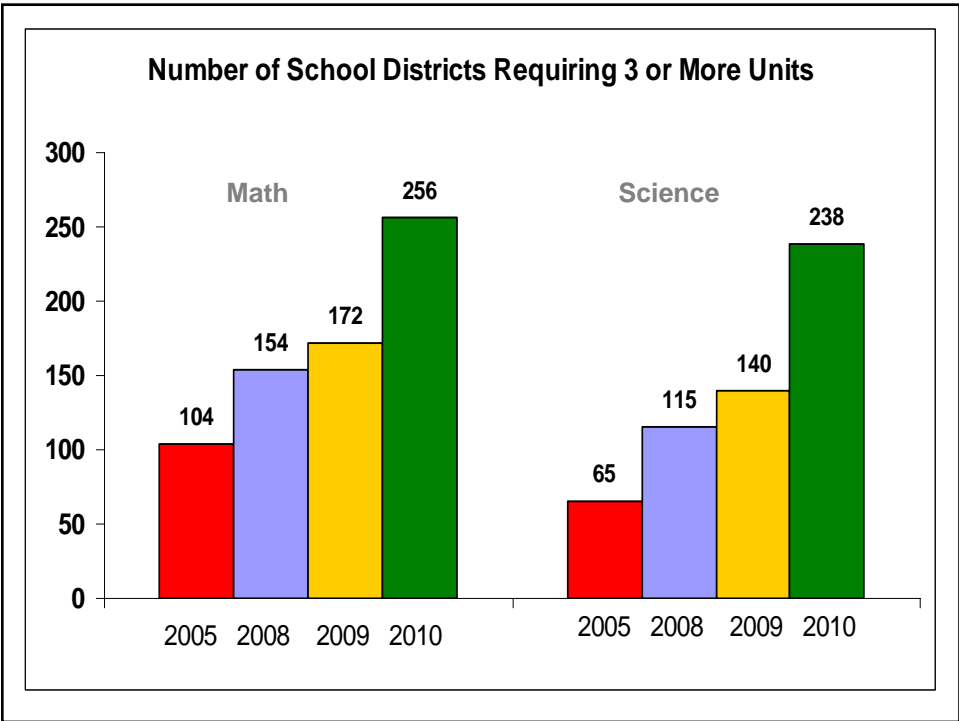
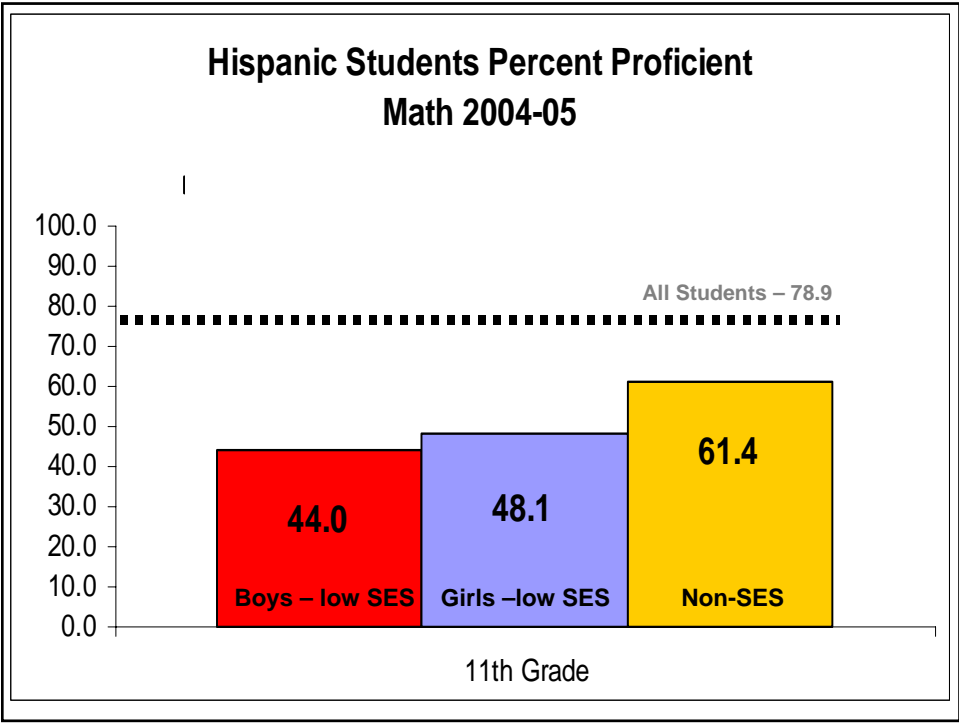
Reading

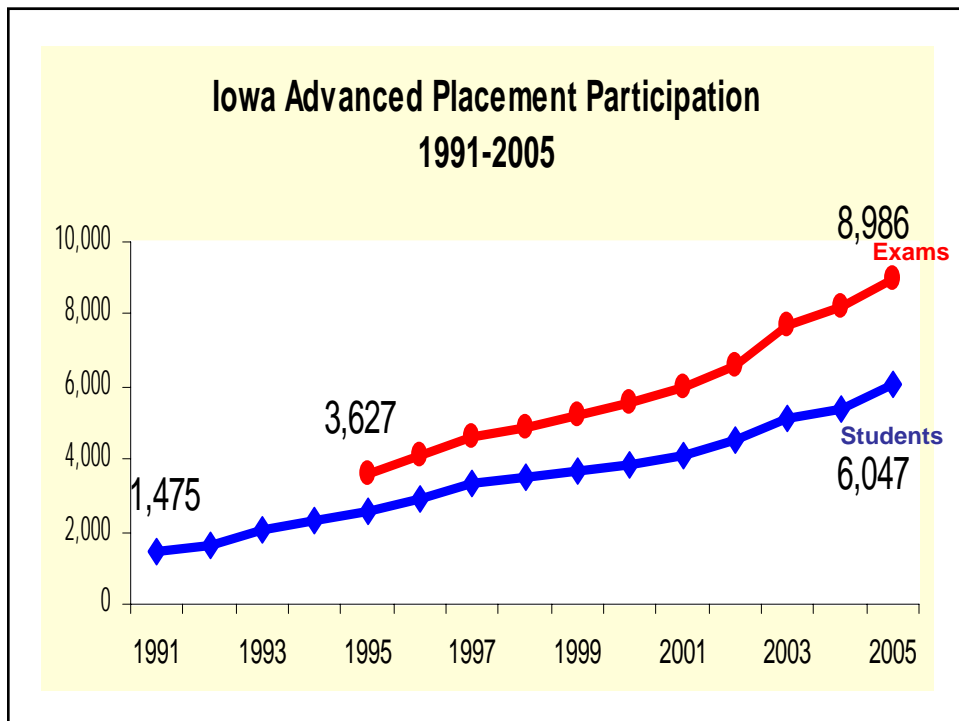
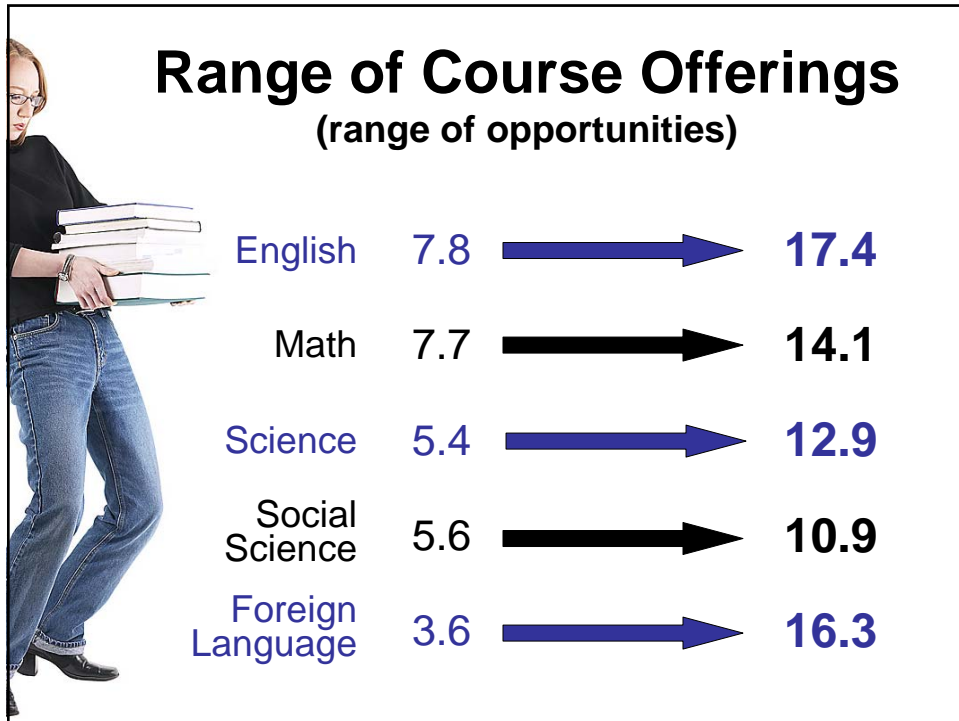


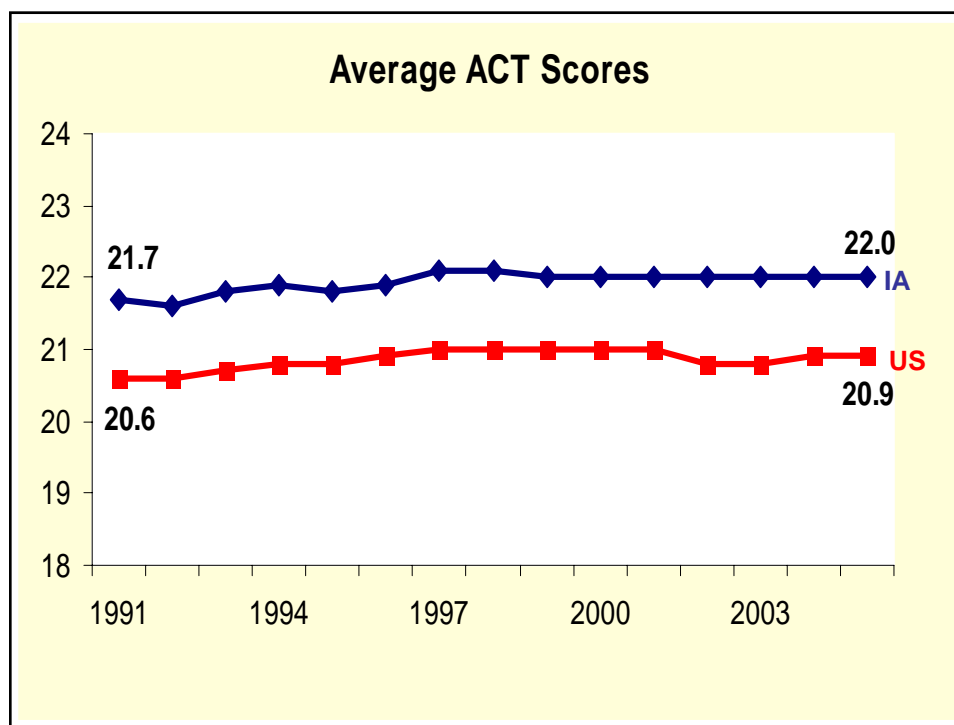
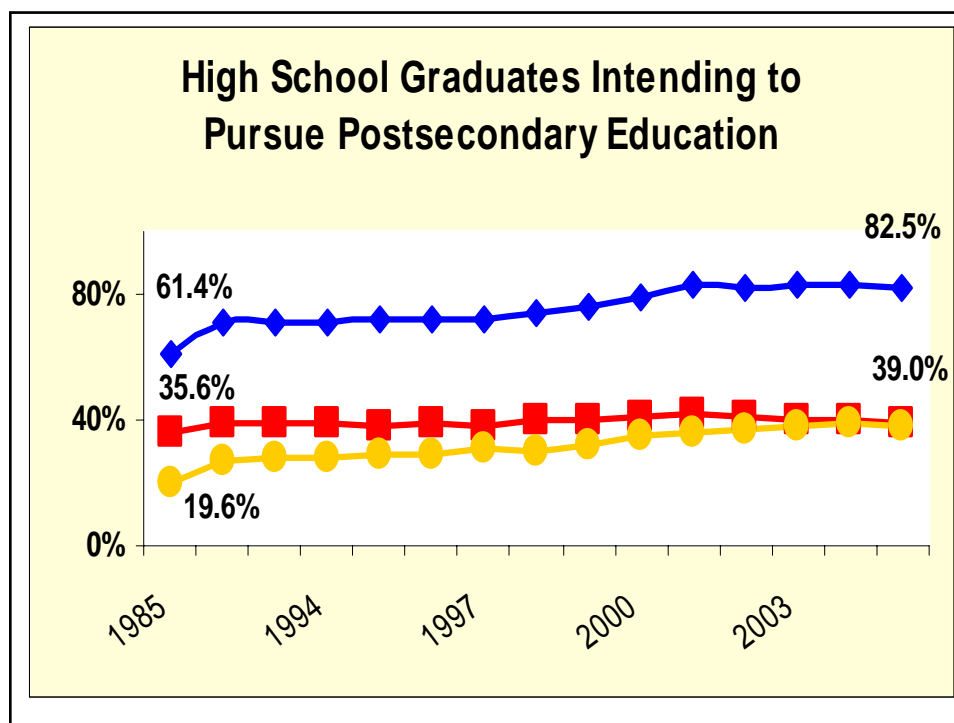
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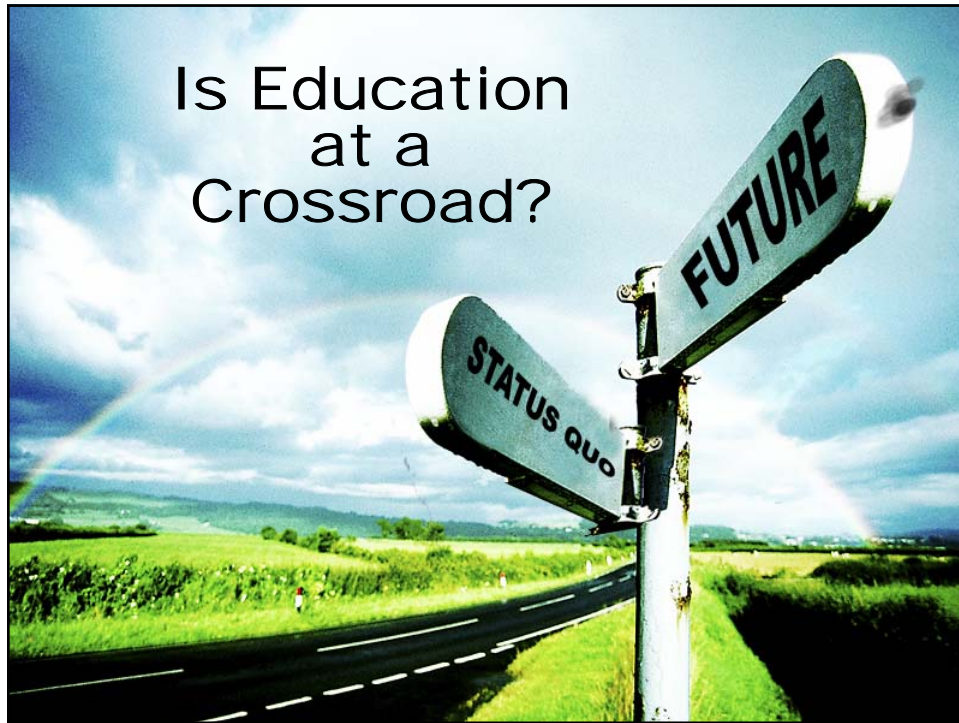
Math











Is Education
at a
Crossroad?



What's working

Efficiencies

- Sharing high schools
- Sharing superintendents
- Sharing with city/county
- AEA efficiencies



What's working

Opportunities

- Career academies
- Consortiums
- Iowa Learning Online
- Online AP Academy
- Dual Credit/PSEO

Evaluate your own schools

- Number, quality, and rigor of courses
- Student achievement
- Graduation requirements
- Teacher retention, quality
- District leadership
- Equipment, materials
- Partnerships, coalitions
- Facilities
- Finances



Here's how you can help

- Increase your expectations
- Motivate others to increase expectations
- Get involved
- Be a partner
- Do research
- Build coalitions
- Build your economy

